CLAIMS

What is claimed is:

1	1. A wireless communications network comprising:			
2	a plurality of Mobile Subscriber (MS) units;			
3	at least one base transceiver station (BTS), each BTS communicating			
4	wirelessly with ones of said MS units in a network cell;			
5	at least one mobile switching center (MSC) administering to said at least one			
6	BTS and to any neighboring ones of said at least one MSC; and			
7	at least one Gateway Mobile Location Center (GMLC) supporting location			
8	services (LCS) and providing an access node for LCS service requests, wherein			
9	requests for services from one MS unit of said plurality of MS units are not placed			
10	on hold until a LCS request to said one MS unit completes.			
1	2. A wireless communications network as in claim 1, wherein a response to			
2	said request for services is provided to said one MS unit before a response is			
3.	provided for said LCS request.			
1	3. A wireless communications network as in claim 1, wherein upon said request			
2	for services said MSC initiates a faked call control connection to said one MS unit.			
1	4. A wireless communications network as in claim 1, further comprising:			
2	at least one base station controller (BSC) between a plurality of BTSs and			
3	said MSC, each said BSC administering to said plurality of BTSs, and wherein upon			
4	said request for services, said BSC initiates a faked radio resource location protocol			
5	(RRLP) request to said one MS unit.			
1	5. A wireless communications network as in claim 1, further comprising:			
2	a Serving Mobile Location Center (SMLC) performing positional			
3	measurement for said plurality of MS units.			

1	6.	A wireless communications network as in claim 5, wherein upon said request			
2	for services said SMLC initiates a faked radio resource location protocol (RRLP)				
3	request to said one MS unit.				
1	7.	A wireless communications network as in claim 1, wherein said at least one			
2	cell is a plurality of cells, and said LCS service requests comprise requests for value				
3	added	services, emergency services and legal and lawful interception services.			
1	8.	A wireless communications network as in claim 1, wherein said LCS service			
2	requests are mobile terminating location request (MT-LR) and said requests for				
3	services are mobile originated (MO) requests.				
1	9.	A wireless communications network as in claim 1, wherein said wireless			
2	communications network is a Global System for Mobile Communication (GSM)				
3	network.				
1	10.	A wireless communications network comprising:			
	10.	Ti wholos communications network comprising.			
7		a plurality of Mobile Subscriber (MS) units:			
2		a plurality of Mobile Subscriber (MS) units; a plurality of base transceiver stations (BTSs), each BTS in a network cell			
3	comm	a plurality of base transceiver stations (BTSs), each BTS in a network cell			
3	comm	a plurality of base transceiver stations (BTSs), each BTS in a network cell nunicating wirelessly with ones of said MS units in said cell;			
3		a plurality of base transceiver stations (BTSs), each BTS in a network cell nunicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said			
3 4 5		a plurality of base transceiver stations (BTSs), each BTS in a network cell nunicating wirelessly with ones of said MS units in said cell;			
3 4 5 6	plurali	a plurality of base transceiver stations (BTSs), each BTS in a network cell nunicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs;			
3 4 5 6 7	plurali	a plurality of base transceiver stations (BTSs), each BTS in a network cell funicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs; a plurality of mobile switching centers (MSC) administering to said plurality Cs and to any neighboring ones of said plurality of MSCs;			
3 4 5 6 7 8	plural	a plurality of base transceiver stations (BTSs), each BTS in a network cell nunicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs; a plurality of mobile switching centers (MSC) administering to said plurality			
3 4 5 6 7 8 9	plural	a plurality of base transceiver stations (BTSs), each BTS in a network cell funicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs; a plurality of mobile switching centers (MSC) administering to said plurality Cs and to any neighboring ones of said plurality of MSCs; at least one Serving Mobile Location Center (SMLC) performing positional			
3 4 5 6 7 8 9	of BS6	a plurality of base transceiver stations (BTSs), each BTS in a network cell funicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs; a plurality of mobile switching centers (MSC) administering to said plurality Cs and to any neighboring ones of said plurality of MSCs; at least one Serving Mobile Location Center (SMLC) performing positional arement for ones of said plurality of MS units; and			
3 4 5 6 7 8 9 10	of BS0 measu	a plurality of base transceiver stations (BTSs), each BTS in a network cell funicating wirelessly with ones of said MS units in said cell; a plurality of base station controllers (BSCs) administering to ones of said ity of BTSs; a plurality of mobile switching centers (MSC) administering to said plurality Cs and to any neighboring ones of said plurality of MSCs; at least one Serving Mobile Location Center (SMLC) performing positional arement for ones of said plurality of MS units; and at least one Gateway Mobile Location Center (GMLC) providing an access			

plurality of MS units complete.

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1	11.	A wireless communications network as in claim 10, wherein said wireless			
2	communications network is a Global System for Mobile Communication (GSM)				
3	network and responses to said MO requests are provided before a response is				
4	provid	d for a corresponding said MT-LR.			
1	12.	A wireless communications network as in claim 10, wherein upon said			
2	request for services said MSC initiates a faked call control connection to said				
3	requesting ones of said plurality of MS units.				
1	13.	A wireless communications network as in claim 10, wherein upon said			
2	request for services one BSC initiates a faked radio resource location protocol				
3	(RRLI	request to said requesting ones of said plurality of MS units.			
1	14.	A wireless communications network as in claim 10, wherein upon said			
2		for services said SMLC initiates a faked radio resource location protocol			
3	•) request to said requesting ones of said plurality of MS units.			
J	(ICICLI	request to said requesting ones of said plantancy or two units.			
1	15.	A wireless communications network as in claim 10, wherein said external			
2	LCS clients request location services comprising: value added services, emergency				
3	services and legal and lawful interception services.				
1	16.	A method of managing a wireless communications network, said method			
2	compr	sing the steps of:			
3		a) initiating a mobile terminating location request (MT-LR) for a			
4	particular mobile subscriber (MS) unit;				
5		b) idling the mobility management (MM) layer of said particular MS			
6	unit;				
7		c) initiating a mobile originated (MO) request for services from said			
8	particular MS unit;				
9		d) processing said MO request; and			
10		e) providing a response to said MT-LR.			

- 1 17. A method of managing a wireless communications network as in claim 16,
- wherein said response is provided in step (e) to said MT-LR after a response is
- 3 provided to said MO request.

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- 1 18. A method of managing a wireless communications network as in claim 16,
- wherein the step (d) of processing said MO request comprises originating a faked
- 3 Call Control (CC) connection in parallel with said MT-LR.
- 1 19. A method of managing a wireless communications network as in claim 18,
- wherein said faked CC connection originates in a visited mobile switching center
- 3 (V-MSC) currently serving a mobile subscriber originating said MO request.
- 1 20. A method of managing a wireless communications network as in claim 16,
- wherein the step (d) of processing the MO request comprises originating faked radio
- 3 resource location protocol (RRLP) request in parallel with the MT-LR request.
- 1 21. A method of managing a wireless communications network as in claim 20,
- 2 wherein said faked RRLP request originates in a base station controller (BSC)
- 3 currently serving a mobile subscriber originating said MO request.
- 1 22. A method of managing a wireless communications network as in claim 20,
- 2 wherein said faked RRLP request originates in a Serving Mobile Location Center
- 3 (SMLC).
- 1 23. A method of managing a wireless communications network as in claim 16,
- wherein MT-LR is a request for location service (LCS).
- 1 24. A method of managing a wireless communications network as in claim 23,
- wherein said request for LCS provides tracking data for a mobile subscriber.
- 1 25. A method of managing a wireless communications network as in claim 16,
- wherein said wireless communications network is a Global System for Mobile
- 3 Communication (GSM) network.